NPIC/TSSG/RED-1911-69
5 November 1969

MEMORANDUM FOR : Chief, Human Factors Section, ATB/RED/TSSG

SUBJECT : Human Factors Effort on Electronic Display Systems

1. Part of the effort of RED's Information Technology Program evolves around the development of an Interactive Display System. This system uses a CRT display and associated hardware and software to display text and graphics. The system can potentially be used by PI's, editors, collateral support personnel and graphics analyst officers. However, there is some uncertainty as to how this system can best present the information to these users.

2. It is requested that a portion of future human factors effort be directed toward assisting the integration of the PI's, editors, and other users to the Interactive Display System. Examples of the types of problems that will have to be solved are:

2.1 What types of photo interpretation and supporting activities are best suited for implementation by this system?

2.2 What level of detail must be included in graphics to be useful as an aid in interpretation, target location, target analysis etc.?

2.3 Should textual information be initially entered by the PI, editor, secretary, or someone else?
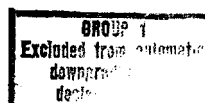
2.4 What programming and retrieval techniques will assist the infrequent system user?

3. The Interactive Display System, as presently conceived, will consist primarily of components manufactured by [   ] 25X1 presently has a similar system that might be able to be used for experimentation before we recieve our system. I would thus suggest that [   ] 25X1 be a potential candidate for the subject work, assuming they still have such a display system during the course of their work (they are presently 25X1 renting the [   ] equipment).

Declass Review by
NIMA/DOD

SUBJECT : Human Factors Effort on Electronic Display Systems

4. The second purpose of this memo is to inform you of the potential future application of two information display systems at NPIC. The Interactive Display System has previously been discussed. The Layout Display System is primarily an optical display device for displaying collateral support material and for layout of briefing boards. I have previously mentioned these systems to [   ] personnel for their consideration in the 1975 PI Work Station. I feel that it is important that we continue to exchange information in this area and would welcome any opportunity to discuss this matter further with your staff and [   ] personnel.

25X1

25X1

25X1

[   ]
SRB/RED/TSSG

Distribution:
　　Original - Addressee
　　　　1 - RED/ATB/HFS (Att: [   ]
　　　　1 - TSSG/RED
　　　　2 - TSSG/RED/SRB

25X1

25X1

NPIC/TSSG/RED/SRB [   ] 5 November 69